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(21) International Application Number: PCT/US92/08667 (22) International Filing Date: 9 October 1992 (09.10.92) (30) Priority data: 777,752 11 October 1991 (11.10.91) US (71) Applicant: VERTEX PHARMACEUTICALS, INC. [US/ US]; 40 Allston Street, Cambridge, MA 02139-4211 (US). (72) Inventors: PEATTIE, Debra, A. ; 1716 Cambridge Street, No. 47, Cambridge, MA 02138 (US). HARDING, Mat- thew, W. ; 171 Willow Street, Acton, MA 01720 (US). LI- VINGSTON, David, J. ; 20 Madison Avenue, Newton- ville, MA 02160 (US).		(74) Agents: GRANAHAN, Patricia et al.; Hamilton, Brook, Smith & Reynolds, Two Militia Drive, Lexington, MA 02173 (US). (81) Designated States: AT, AU, BB, BG, BR, CA, CH, CS, DE, DK, ES, FI, GB, HU, JP, KP, KR, LK, LU, MG, MN, MW, NL, NO, PL, RO, RU, SD, SE, European pa- tent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the</i> <i>claims and to be republished in the event of the receipt of</i> <i>amendments.</i>
(54) Title: ISOLATION OF AN M _r 52,000 FK506 BINDING PROTEIN AND MOLECULAR CLONING OF A CORRESPONDING HUMAN cDNA (57) Abstract An FK506 binding protein of mammalian origin of approximate size (M _r) 52,000, isolated by FK506 affinity chromatog- raphy and a corresponding human cDNA of approximate size 2.2 Kb, isolated by screening a human placenta cDNA lib- rary with a DNA probe whose sequence predicts a consensus amino acid sequence present in five FKBP12 sequences and in the human FKBP13 sequence.		